

A1/cond establishes media channels between base station controller **210** and *IP* network **100** using protocols such as *H.245*.--

Please replace the paragraph beginning on page 12, line 5, with the following rewritten paragraph:

A2 -- End office gateway (EOGW) **300** is a node that serves as the gateway component between an end office telephony switch (EOTS) **310** and *IP* network **100**. End office gateway **300** provides T1 voice and call control ports to a line trunk controller interface (LTCI) within end office telephony switch **310** as well as providing *IP* ports to *IP* network **100**. End office gateway **300** (using *H.323* for example), is responsible for receiving call control and speech packet messages from *IP* network **100** and translating the messages into *Q.931* call control signaling messages. On mobile terminations, *Q.931* termination messages are delivered to mobility gatekeeper **500** for mobile call delivery purposes. Lastly, the end office gateway **300** establishes media channels through the *IP* network **100** between the line trunk controller interface within end office telephony switch **310** and the gateway which is currently serving the mobile, such as a base station controller gateway. Protocols such as *H.245* are used to establish the media channel.--

Please replace the paragraph beginning on page 12, line 18, with the following rewritten paragraph:

A3 -- Mobile switching center gateway (MGW) **400** is a node that serves as the gateway component between a mobile switching center (MSC) **410**, such as a legacy *CDMA*, *GSM*, or *TDMA* mobile switching center, and the *IP* network **100**. Mobile switching center gateway **400** provides T1 voice trunks to mobile switching center **410** as well as providing *IP* ports to *IP* network **100**. Mobile switching center gateway **400** supports inter-system handoffs between a base station controller **210** served by *IP* network **100** and a base station controller which is not on the data network, such as a base station controller associated with a legacy mobile switching center **410** in the public switching telephone network (PSTN) **320**. Mobile switching center gateway **400** also establishes trunk connections to mobile switching center **410** for speech connectivity whenever an interaction is required.--

Please replace the paragraph beginning on page 13, line 4, with the following rewritten paragraph:

A4 -- Mobility gatekeeper (GK) **500** is a node that is the component responsible for establishing connections between two (2) *IP* network call endpoints, as well as providing a platform for network mobility services. Mobility gatekeeper **500** provides an *IS-41* interface via an *IS-41* cellular network **510** to home location register **520** in order to retrieve mobile subscriber data. Mobility gatekeeper **500** supports all network based mobility functions and services, including call delivery, handoff registration, and *IS-41* messaging. On call originations, mobility gatekeeper **500** receives a setup message from the originating base station controller gateway **200** and routes the message to the end office gateway **300** providing service to the subscriber. On termination, mobility gatekeeper **500** receives termination setup messages and interfaces with the *IS-41* network **510** to determine the location of the serving base station controller **210**. Mobility gatekeeper **500** routes the *H.323* termination setup messages through *IP* network **100** to the serving base station controller **210**, or to a mobility gatekeeper on an inter-connected data network that contains the serving enhanced base station controller / base station controller gateway. Lastly, mobility gatekeeper **500** provides the interface to home location register **520** for registration updates that are received from base station controller **210** and base station controller gateway **200** as mobiles activate, de-activate, and roam throughout the network.--.

Please replace the paragraph beginning on page 29, line 19, with the following rewritten paragraph:

A5 -- The mobility gatekeeper examines the target cell identifier and determines that this is an inter-system handoff as opposed to an intra-network handoff. The mobility gatekeeper responds by relaying the setup message **D** to the target mobile switching center gateway. The mobile switching center gateway allocates the trunking circuit which will be used to connect to the target mobile switching center, and responds with optional call proceeding **E** and alerting **F** messages. This is followed by a connect **G** message to the mobility gatekeeper to complete the establishment of the call leg. Either the call proceeding, alerting, or connect message will include the identifier of the channel used to connect the mobile switching center gateway to the target mobile switching center. The call proceeding **H** and alerting **I** messages may optionally be tandemed to the original base station controller gateway.--